

FORM
2

Rev
12/05

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109



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APPLICATION FOR PERMIT TO:

1. ☒ Drill, ☐ Deepen, ☐ Re-enter, ☐ Recomplete and Operate

2. TYPE OF WELL

OIL ☐ GAS ☒ COALBED ☐ OTHER _____
SINGLE ZONE ☐ MULTIPLE ZONE ☒ COMMINGLE ZONE ☐

Refiling ☐
Sidetrack ☐

Document Number:

400007260

Plugging Bond Surety

20010124

3. Name of Operator: KERR-MCGEE OIL & GAS ONSHORE LP

4. COGCC Operator Number: 47120

5. Address: P O BOX 173779

City: DENVER State: CO Zip: 80217-3779

6. Contact Name: Cheryl Light Phone: (720)929-6461 Fax: (720)929-7461

Email: Cheryl.Light@anadarko.com

7. Well Name: RASMUSSEN Well Number: 10-29

8. Unit Name (if appl): _____ Unit Number: _____

9. Proposed Total Measured Depth: 8345

WELL LOCATION INFORMATION

10. QtrQtr: SWSE Sec: 29 Twp: 2N Rng: 68W Meridian: 6

Latitude: 40.104440 Longitude: -105.024720

Footage at Surface: 772 FNL/FSL FSL 1961 FEL/FWL FEL

11. Field Name: Spindle Field Number: 77900

12. Ground Elevation: 4934 13. County: WELD

14. GPS Data:

Date of Measurement: 08/20/2009 PDOP Reading: 6.0 Instrument Operator's Name: Chris Pearson

15. If well is ☒ Directional ☐ Horizontal (highly deviated) **submit deviated drilling plan.**

Footage at Top of Prod Zone: FNL/FSL 1980 FSL 1980 FEL 1980 FEL 1980
Bottom Hole: FNL/FSL 1980 FSL 1980 FEL 1980 FEL 1980
Sec: 29 Twp: 2N Rng: 68W Sec: 29 Twp: 2N Rng: 68W

16. Is location in a high density area? (Rule 603b)? ☐ Yes ☒ No

17. Distance to the nearest building, public road, above ground utility or railroad: 1880 ft

18. Distance to nearest property line: 772 ft 19. Distance to nearest well permitted/completed in the same formation: 1323 ft

20. LEASE, SPACING AND POOLING INFORMATION

Objective Formation(s)	Formation Code	Spacing Order Number(s)	Unit Acreage Assigned to Well	Unit Configuration (N/2, SE/4, etc.)
J-Sand	JSND	232	320	S/2
Niobrara/Codell	NB-CD	407	80	W/2SE/4
Sussex	SUSX		80	W/2SE/4

21. Mineral Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian Lease #: _____

22. Surface Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian

23. Is the Surface Owner also the Mineral Owner? ☐ Yes ☒ No Surface Surety ID#: _____

23a. If 23 is Yes: Is the Surface Owner(s) signature on the lease? ☐ Yes ☐ No

23b. If 23 is No ☒ Surface Owners Agreement Attached or ☐ \$25,000 Blanket Surface Bon ☐ \$2,000 Surface Bond ☐ \$5,000 Surface Bond

24. Using standard QtrQtr, Sec, Twp, Rng format enter entire mineral lease description upon which this proposed wellsite is located (attach separate sheet/map if you prefer):
See attached Oil and Gas lease

25. Distance to Nearest Mineral Lease Line: 1240 ft 26. Total Acres in Lease: 1378

DRILLING PLANS AND PROCEDURES

27. Is H2S anticipated? ☐ Yes ☒ No If Yes, attach contingency plan.

28. Will salt sections be encountered during drilling? ☐ Yes ☒ No

29. Will salt (>15,000 ppm TDS CL) or oil based muds be used during drilling? ☐ Yes ☒ No

30. If questions 27 or 28 are yes, is this location in a sensitive area (Rule 903)? ☐ Yes ☒ No If 28, 29, or 30 are "Yes" a pit permit may be required.

31. Mud disposal: ☒ Offsite ☐ Onsite

Method: ☐ Land Farming ☒ Land Spreading ☐ Disposal Facility Other: _____

Note: The use of an earthen pit for Recompletion fluids requires a pit permit (Rule 905b). If air/gas drilling, notify local fire officials.

Casing Type	Size of Hole	Size of Casing	Weight Per Foot	Setting Depth	Sacks Cement	Cement Bottom	Cement Top
SURF	12+1/4	8+5/8	24	835	420	835	
1ST	7+7/8	4+1/2	11.6	8,345	200	8,345	

32. BOP Equipment Type: ☒ Annular Preventer ☐ Double Ram ☒ Rotating Head ☐ None

33. Comments No conductor casing will be used

34. Location ID: 336059

35. Is this application in a Comprehensive Drilling Plan ? ☐ Yes ☐ No

36. Is this application part of submitted Oil and Gas Location Assessment ? ☒ Yes ☐ No

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: _____ Print Name: Cheryl Light

Title: Senior Regulatory Analyst Date: 10/6/2009 Email: cheryl.light@anadarko.com

Based on the information provided herein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved: David S. Neslin Director of COGCC Date: 12/11/2009

API NUMBER

05 123 30876 00

Permit Number: _____ Expiration Date: 12/10/2011

CONDITIONS OF APPROVAL, IF ANY:

All representations, stipulations and conditions of approval stated in the Form 2A for this location shall constitute representations, stipulations and conditions of approval for this Form 2 Permit-to-Drill and are enforceable to the same extent as all other representations, stipulations and conditions of approval stated in this Permit-to-Drill.

1) Note surface casing setting depth change from 600' to 835'. Increase cement coverage accordingly and cement to surface. 2) Provide 24 hour notice of MIRU to Jim Precup at 303-469-1902 or e-mail at james.precup@state.co.us 3) Comply with Rule 317.i and provide cement coverage from TD to a minimum of 200' above Niobrara. Evaluate Shannon and Sussex and cement from 200' above to 200' below these formations if potentially productive. Verify coverage with cement bond log. 4) Run and submit Directional Survey from TD to base of surface casing.

Attachment Check List

Att Doc Num	Name	Doc Description
1769569	SURFACE CASING CHECK	LF@2166621 1769569
400007261	MULTI-WELL PLAN	LF@2158140 400007261
400007262	WELL LOCATION PLAT	LF@2158141 400007262
400007263	TOPO MAP	LF@2158142 400007263
400007265	30 DAY NOTICE LETTER	LF@2158143 400007265
400007267	SURFACE AGRMT/SURETY	LF@2158144 400007267
400008038	OIL & GAS LEASE	LF@2158145 400008038
400008039	DEVIATED DRILLING PLAN	LF@2158146 400008039
400008496	FORM 2 SUBMITTED	LF@2158147 400008496

Total Attach: 9 Files